A. CLASSIF IPC 7	G06F1/16 H04B1/38	
	International Patent Classification (IPC) or to both national classification and IPC	
B. FIELDS S		
IPC 7	cumentation searched (classification system followed by classification symbols) G06F H04B A44C G04B G04G	
Documentati	on searched other than minimum documentation to the extent that such documents a	re included in the fields searched
Electronic da	ata base consulted during the international search (name of data base and, where pro	actical, search terms used)
EPO-Int	ternal	
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
A .	EP 1 174 049 A (SIEMENS AKTIENGESELLSCHAFT) 23 January 2002 (2002-01-23) abstract paragraphs '0019! - '0022!, '0025!, '0028! - '0030! figures 1A,1B,1C,2A,2B	1-33
Α	US 6 536 941 B1 (FANG CHIH-PING) 25 March 2003 (2003-03-25) abstract column 1, line 51 - column 2, line 22 figures 1,2,4,5	1–33
A	US 4 586 827 A (HIRSCH ET AL) 6 May 1986 (1986-05-06) abstract figures 1-9	1–33
Funth	ner documents are listed in the continuation of box C. X Patent to	amily members are listed in annex.
"A" docume consid. "E" earlier of filing di. "L" docume which i citation. "O" docume other n	ant defining the general state of the art which is not effect to und cred to be of particular relevance and invention locument but published on or after the international ate. "X" document of cannot be connot be con	particular relevance; the claimed invention particular relevance; the claimed invention particular relevance; the claimed invention considered novel or cannot be considered to inventive step when the document is taken alone particular relevance; the claimed invention particular relevance; the claimed invention considered to involve an inventive step when the scombined with one or more other such document combination being obvious to a person skilled ember of the same patent family
Date of the a	actual completion of the International search Date of maili	ing of the international search report
3	1 May 2005 07/0	06/2005
Name and n	naling address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL - 2280 HV Rijswijk Tel (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Authorized o	ilani, D

Information on patent family members

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1174049	Α	23-01-2002	DE EP	10035154 A1 1174049 A2	31-01-2002 23-01-2002
US 6536941	B1	25-03-2003	NONE		
US 4586827	Α	06-05-1986	AT AT DE GB	380355 A 369883 A 3437078 A1 2148617 A	12-05-1986 15-09-1985 02-05-1985 30-05-1985

		FUI	/ 402003/000/10				
	FICATION OF SUBJECT MATTER G06F1/16 H04B1/38						
According to	International Patent Classification (IPC) or to both national classifica	tion and IPC					
B. FIELDS	SEARCHED						
Minimum do IPC 7	cumentation searched (classification system followed by classification GO6F H04B A44C GO4B GO4G	n symbols)					
Documental	ion searched other than minimum documentation to the extent that st	uch documents are included in	the fields searched				
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal							
C. DOCUME	ENTS CONSIDERED TO BE RELEVANT						
Category °	Citation of document, with indication, where appropriate, of the rele	Relevant to daim No.					
А	EP 1 174 049 A (SIEMENS AKTIENGESELLSCHAFT) 23 January 2002 (2002-01-23) abstract paragraphs '0019! - '0022!, '002	1-33					
	'0028! - '0030! figures 1A,1B,1C,2A,2B						
Α	US 6 536 941 B1 (FANG CHIH-PING) 25 March 2003 (2003-03-25) abstract column 1, line 51 - column 2, lin figures 1,2,4,5	1–33					
A	US 4 586 827 A (HIRSCH ET AL) 6 May 1986 (1986-05-06) abstract figures 1-9	1-33					
Funt	ner documents are listed in the continuation of box C.	χ Patent tamily member	s are listed in annex.				
	*Special categories of cited documents: The later document published after the International filing date						
A document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the International filing date *X* document of particular relevance; the claimed invention considered to particular relevance.							
cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or cannot be considered novel or cannot be considered to involve an inventive step when the document of particular relevance; the claimed inventive step when the document is combined with one or more other such document is combined with one or more other such document.							
other of	means ant published prior to the International filing date but	being obvious to a person skilled ame patent family					
Date of the	actual completion of the international search	Date of mailing of the Intern	national search report				
3	1 May 2005	07/06/2005					
Name and r	naling address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk	Authorized officer					
	Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Aquilani, D					

Information on patent family members

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
EP 1174049	Α	23-01-2002	DE EP	10035154 A1 1174049 A2	31-01-2002 23-01-2002
US 6536941	B1	25-03-2003	NONE		
US 4586827	A	06-05-1986	AT AT DE GB	380355 A 369883 A 3437078 A1 2148617 A	12-05-1986 15-09-1985 02-05-1985 30-05-1985